

Title (en)

AIR TREATMENT SYSTEM CONTROL METHOD AND AIR TREATMENT SYSTEM

Title (de)

VERFAHREN ZUR STEUERUNG EINES LUFTBEHANDLUNGSSYSTEMS UND LUFTBEHANDLUNGSSYSTEM

Title (fr)

PROCÉDÉ DE COMMANDE DE SYSTÈME DE TRAITEMENT DE L'AIR ET SYSTÈME DE TRAITEMENT DE L'AIR

Publication

EP 4170253 A4 20231213 (EN)

Application

EP 21828425 A 20210621

Priority

- CN 202010575585 A 20200622
- JP 2021023485 W 20210621

Abstract (en)

[origin: EP4170253A1] Provided are an air treatment system control method and an air treatment system that contribute to prevention of the appearance of mold. An air treatment system control method according to the present invention includes permitting an air treatment system to implement a mold preventing operation when a relative humidity in a target space to be adjusted by the air treatment system is higher than a first target relative humidity, permitting the air treatment system to implement one of or both a cooling operation and a dehumidifying operation when an indoor temperature in the target space is higher than a first indoor temperature in the mold preventing operation, and permitting the air treatment system to implement a heating operation when the indoor temperature is lower than a second indoor temperature in the mold preventing operation. The second indoor temperature is lower than the first indoor temperature.

IPC 8 full level

F24F 11/62 (2018.01); **F24F 3/06** (2006.01); **F24F 3/14** (2006.01); **F24F 11/00** (2018.01); **F24F 11/64** (2018.01); **F24F 11/65** (2018.01); **F24F 11/84** (2018.01); **F24F 110/10** (2018.01); **F24F 110/12** (2018.01); **F24F 110/20** (2018.01)

CPC (source: CN EP)

F24F 3/065 (2013.01 - CN EP); **F24F 3/14** (2013.01 - CN EP); **F24F 11/64** (2017.12 - CN EP); **F24F 11/65** (2017.12 - CN EP); **F24F 11/84** (2017.12 - CN EP); **F24F 11/0008** (2013.01 - EP); **F24F 2110/10** (2017.12 - CN EP); **F24F 2110/12** (2017.12 - CN EP); **F24F 2110/20** (2017.12 - CN EP); **F24F 2120/10** (2017.12 - CN)

Citation (search report)

- [X] EP 1890090 A1 20080220 - DAIKIN IND LTD [JP]
- [A] JP H1061998 A 19980306 - HITACHI LTD
- [A] CN 103411341 B 20160323
- See references of WO 2021261460A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 4170253 A1 20230426; **EP 4170253 A4 20231213**; CN 113899058 A 20220107; JP 7343825 B2 20230913; JP WO2021261460 A1 20211230; WO 2021261460 A1 20211230

DOCDB simple family (application)

EP 21828425 A 20210621; CN 202010575585 A 20200622; JP 2021023485 W 20210621; JP 2022531986 A 20210621